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DUPLICATE

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ANDREWS ENVIRONMENTAL ENGINEERING INC. 11200 South Fifth Street, Springfield, Illinois 62703/(217) 528-1546

EPA Region 5 Records Ctr.



261587

June 13, 1984

Lawrence W. Eastep, P.E.,
Manager - Permit Section
Division Of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

re: 03160002 -- Cook County
Chicago/Paxton No. 1

Notification Sent
Paxton Landfill Corp. (c)

10.4

OL 10.4

Dear Mr. Eastep:

In accordance with our May 29th, 1984 meeting and on behalf of our client, Paxton Landfill Corporation; request is herein made for a Supplemental Permit to allow the installation of eleven (11) new monitor wells at the subject site as shown on the enclosed Map and as described below:

SOIL BORINGS

In May, 1983 five soil borings were drilled at the site in order to determine the existing depth of refuse in the landfill and the character of the underlying soils. Enclosed for your information and use are copies of the June 9th, 1983 soil boring logs and test result reports prepared by Groff Testing Corporation and Shaffer-Krimmel-Silver & Associates, Inc., respectively.

With the intention of fulfilling the soil boring and testing requirements of the Illinois EPA for a forthcoming permit application for continued non-hazardous landfilling at the site; continuous soil sampling, classification and analysis consistent with the Illinois EPA Developmental Permit Application instructions will be conducted in conjunction with the installation of each solitary and nested deep well proposed herein.

LOCATION

The positions for the new monitor wells are to be field-located in the approximate locations shown on the enclosed Location Map. All reasonable efforts will be made to locate the monitor wells so they do not penetrate refuse. However, penetration of refuse in some areas may be unavoidable.

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E.P.A. — D.L.P.C.
STATE OF ILLINOIS

Lawrence W. Eastep, P.E.,
Manager - Permit Section
D.L.P.C. - I.E.P.A.

June 13, 1984
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re: Paxton No. 1

DEPTH

Two different soil strata will be monitored by the proposed new wells. The solitary and shallow (designated by the suffix S) wells will be screened to intercept the uppermost sand layer which is normally present in the area between elevation 0 and -5.0 Chicago City Datum. The deep (designated by the suffix D) wells will be screened to intercept the silt layer which generally occurs at the site between about elevation -23.0 and -30.0 Chicago City Datum.

If the strata intended to be monitored is found absent during a monitor well installation, the well shall be extended to the next deeper sand or silt layer or to the first natural soil material below the refuse, as deemed most appropriate in the field.

INSTALLATION

Monitor well installation shall be in accordance with Part D of the July, 1983 Illinois EPA, Division of Land Pollution Control Groundwater Monitoring Network guidelines. After their installation, well construction details and soil boring logs will be forwarded to the Agency.

GROUNDWATER SAMPLING AND TESTING

As soon as practicable after the new monitor wells have been installed and developed, they will be sampled and analyzed for the following background parameters:

Alkalinity, as CaCO_3	Nickel (Ni)
Ammonium (N)	Nitrate-Nitrite (N)
Arsenic (As)	pH
Barium (Ba)	Phenols
Boron (B)	Phosphate (PO_4)
Cadmium (Cd)	Potassium (K)
Calcium (Ca)	Selenium (Se)
Chloride (Cl)	Silicate (SiO_4)

(background parameters ... continued on next page)

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Manager - Permit Section
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June 13, 1984
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re: Paxton No. 1

Chromium (Cr)(total)
Cyanide (CN)
Flouride (F)
Iron (Fe)
Lead (Pb)
Magnesium (Mg)
Manganese (Mn)
Mercury (Hg)

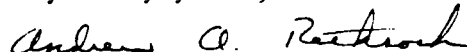
Silver (Ag)
Sodium (Na)
Specific Conductance (SC)
Sulfate (SO₄)
Zinc (Zn)
TOC (Volatile and Non-volatile)
ROE

Upon receipt of the analytical results, copies will be forwarded to the Agency for your information and use.

As you are aware, Paxton Landfill Corporation is very anxious to complete the proposed work, therefore, your prompt review of this permit request will be appreciated. Should you have any questions or comments, please do not hesitate to contact me at your earliest possible convenience.

Thank you for your consideration in this matter.

Very truly yours,



Andrew A. Rathsack, P.E.,
Project Manager

AAR:rdk
enclosures
cc: Dan Smith
S. Jack Sauer, Esq.

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E.P.A. — D.L.P.C.
STATE OF ILLINOIS

N. Region

ANDREWS ENVIRONMENTAL ENGINEERING INC. 1320 South Fifth Street, Springfield Illinois 62703/(217) 528-1545

October 20, 1982

Ms. Sallie Smith
Illinois Environmental Protection Agency
Division of Land Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706

re: Cook County, Illinois
Chicago/Paxton Landfill #2 (Parcel II)
IEPA Permit Number: 1978-11-OP
Supplemental Permit Number: 1982-110

ILL. E.P.A. - D.L.P.C.
STATE OF ILLINOIS

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OCT 20 1982

E.P.A. - D.L.P.C.
STATE OF ILLINOIS

Dear Ms. Smith:

Pursuant to Special Condition No. 3 of the subject supplemental permit and in accordance with our October 20th telephone conversation, enclosed is the following monitor well information.

- 1). A Location Sketch
- 2). A Typical Monitor Well Construction Detail and Monitor Well Depths for seven wells installed on June 8, 1982 by Groff Testing Corporation.
- 3). Boring logs for Soil Profile Borings, B12, B13 and B114 used to provide boring log information on Monitor Wells G12S, G12D, G13S and G13D and G114, respectively.
- 4). A copy of the December 14, 1976 Soils Investigation Report prepared by Walter H. Flood & Co., Inc. which provides boring logs for old Monitor Wells G102 and G103 (Borings 2 and 3 respectively) and which are representative for their replacements G112 and G113.

I trust that the enclosed information satisfies the requirements of Special Condition No. 3 of the permit. However, if additional information is needed or there are any questions, please contact me at your convenience.

Sincerely,

Andrew A. Rathsack

Andrew A. Rathsack, P.E.,
Project Manager

AAR/rdk:
enclosures
cc: Dan Smith